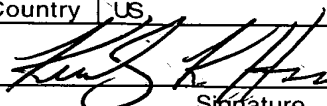


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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR</small>		Attny Docket No. PF343P3C1	Total Pages: 488
		First Named Inventor or Application Identifier Yu et al.	
		Date	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		Assistant Commissioner for Patents Address to: Box Patent Application Washington, D.C. 20231	
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form [in duplicate]</p> <p>2. <input checked="" type="checkbox"/> Specification [total pgs. 442] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed Sponsored R&D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Abstract of the Disclosure</p> <p>3. <input checked="" type="checkbox"/> Drawing(s) Total Sheets 16</p> <p>4. <input checked="" type="checkbox"/> Oath or Declaration Total pages 2 a. <input type="checkbox"/> Unexecuted b. <input checked="" type="checkbox"/> Copy from a prior application (1.63(d)) (for con/div with Box 17 completed) i. <input type="checkbox"/> Deletion of Inventors (signed statement attached deleting inventor(s) named in prior app.)</p> <p>5. <input checked="" type="checkbox"/> Incorporation by Reference The entire disclosure of the prior application, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p>		<p>6. <input type="checkbox"/> Microfiche Computer Program (appendix)</p> <p>7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. <input checked="" type="checkbox"/> Paper Copy [25] <input checked="" type="checkbox"/> Request Under 37 C.F.R. § 1.821(e) c. <input type="checkbox"/> Statement verifying identity of above copies</p>	
		Accompanying Application Parts	
		<p>8. <input type="checkbox"/> Assignment Papers (cover and document(s))</p> <p>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attny</p> <p>10. <input type="checkbox"/> English Translation Document</p> <p>11. <input type="checkbox"/> Information Disclosure Statement/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>12. <input type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (should be specifically itemized)</p> <p>14. <input type="checkbox"/> Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, status still proper and desired</p> <p>15. <input type="checkbox"/> Certified copy of priority document(s)</p> <p>16. <input type="checkbox"/> Other:</p>	
<p>17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:</p> <p><input checked="" type="checkbox"/> Continuation of copending application No. 09/507,968, filed February 22, 2000; which claims the benefit of priority under 35 U.S.C. § 119(e) based on U.S. provisional application Nos. 60/122,388, filed March 2, 1999; 60/124,097, filed March 12, 1999; 60/126,599, filed March 26, 1999; 60/127,598, filed April 2, 1999; 60/130,412, filed April 16, 1999; 60/130,696, filed April 23, 1999; 60/131,278, filed April 27, 1999; 60/131,673, filed April 29, 1999; 60/136,784, filed May 28, 1999; 60/142,659, filed July 6, 1999; 60/145,824, filed July 27, 1999; 60/167,239, filed November 24, 1999; 60/168,624, filed December 3, 1999; 60/171,108, filed December 16, 1999; 60/171,626, filed December 23, 1999; and 60/176,015, filed January 14, 2000, and which is also a continuation-in-part of copending application No. 09/255,794, filed February 23, 1999; which in turn, is a continuation-in-part of copending application No. 09/005,874, filed January 12, 1998; which is a continuation-in-part of PCT/US96/17957, filed October 25, 1996, and claims the benefit of priority under 35 U.S.C. § 119(e) of US provisional application No. 60/036,100, filed January 14, 1997. Each of the aforementioned non-provisional and provisional applications is hereby incorporated by reference in its entirety.</p>			
18. CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number or Bar Code Label or <input checked="" type="checkbox"/> Correspondence address below			
Name	Kenley K. Hoover, Esq., Attorney for Applicants - Human Genome Sciences, Inc.		
Address	9410 Key West Avenue		
City	Rockville	State	MD Zip Code 20850
Country	US	Telephone	301-309-8504 Fax 301-309-8439
Signature 		Reg. No. 40,302	Date June 8, 2000

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09/589287
06/08/00

FEE TRANSMITTAL
for FY 2002*Patent fees are subject to annual revision.***Complete if Known**

Application Number	09/589,287
Filing Date	June 8, 2000
First Named Inventor	YU et al.
Examiner Name	S. Prasad
Group Art Unit	1646
Attorney Docket Number	PF343P3C1

Total amount of payment

\$1422.00**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **08-3425**Deposit Account Name **Human Genome Sciences, Inc.**

- ☒
- Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:
-
- ☐
- Check
- ☐
- Credit Card
- ☐
- Money Order
- ☐
- Other*

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) \$0.00**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
292	65	\$18.00	\$1170.00
Independent			
Multiple Dependent		\$280.00	

C:102	252.00	CH
C:103	1170.00	CH

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
108	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$1422.00

** or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use hearing	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
145	100	145	100	Certificate of correction	
148	110	248	55	Statutory disclaimer	
561	3	561	3	Printed copy of patent, regular service	

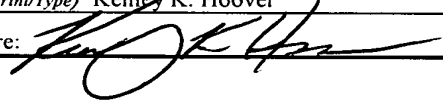
Other fee (specify):

Other fee (specify):

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)**\$0.00****Submitted By**Name (Print/Type) **Kenley K. Hoover**Registration No.: **40,302**

Complete (if applicable)

Telephone **301 610-5771**Signature: Date: **December 14, 2000**

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Yu et al.
Filed: Concurrently herewith
For: Neutrokin- α and Neutrokin- α Splice Variant
Attorney Docket No.: PF343P3C1

PATENT APPLICATION FEE SHEET

Assistant Commissioner for Patents
Box PATENT APPLICATION
Washington, D.C. 20231

Sir:

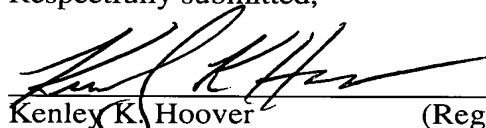
The filing fee required in connection with the subject application is being filed concurrently herewith has been calculated as follows:

TYPE	NO. FILE	LESS	EXTRA	EXTRA RATE	FEE
Total Claims	25	-20	5	\$18.00 each	90.00
Independent	7	-3	4	\$78.00 each	312.00
Minimum Fee					690.00
Multiple Dependency Fee if applicable (\$260.00)					
Total Filing Fee					1,092.00

Please charge the required fee to Deposit Account No. 08-3425. In addition, the Commissioner is hereby authorized to charge payment for any additional filing fees required under 37 C.F.R. 1.16 or credit any overpayment to Deposit Account No. 08-3425. A duplicate of this paper is attached.

Respectfully submitted,

Date: June 8, 2000


Kenley K. Hoover (Reg. No. 40,302)
Attorney for Applicants

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
(301) 251-6015 (telephone)

/rc